

Basic WRF Tutorial

3-7 February, 2025

NOTE: All times are in U.S. Mountain Standard Time (MST)

Monday, February 3

Time		Instructor
9:00 - 9:15	Welcome Remarks	Joe Klemp
9:15 - 9:45	<i>Instructor and Student Introductions</i>	
9:45 - 10:15	WRF Modeling System Overview	Wei Wang
10:15 - 10:45	WPS Overview	Michael Duda
10:45 - 11:05	Break	
11:05 - 11:25	Program Real	Wei Wang
11:25 - 12:00	Running WPS and WRF	Kelly Werner
12:00 - 1:00	Break	
1:00 - 2:15	****LIVE PRACTICE SESSION**** Practice Instructions at the beginning	Kelly Werner
2:15 - 2:35	Break	
2:35 - 3:30	****LIVE PRACTICE SESSION****	

Tuesday, February 4

Time		Instructor
9:00 - 9:40	Overview of WRF Physics (Part 1)	Jimmy Dudhia
9:40 - 10:10	Introduction to Nesting	Kelly Werner
10:10 - 10:30	Break	
10:30 - 12:00	(Live Demo) End-to-End Set up of a Model Simulation	Michael Duda
12:00 - 1:00	Break	
1:00 - 2:15	****LIVE PRACTICE SESSION****	
2:15 - 2:35	Break	
2:35 - 3:30	****LIVE PRACTICE SESSION****	

Wednesday, February 5

Time		Instructor
9:00 - 9:30	WRF Dynamics	Bill Skamarock
9:30 - 10:10	Overview of Physics (Part 2)	Jimmy Dudhia
10:10 - 10:30	Break	
10:30 - 11:00	Compiling WRF and WPS	Kelly Werner
11:00 - 11:30	WRF-Python Post-processing Tool	Abby Jaye
11:30 - 12:00	VAPOR Post-processing Tool	Scott Pearce
12:00 - 1:00	Break	
1:00 - 2:15	****LIVE PRACTICE SESSION****	
2:15 - 2:35	Break	
2:35 - 3:30	****LIVE PRACTICE SESSION****	

Thursday, February 6

Time		Instructor
9:00 - 9:30	Idealized Cases	Bill Skamarock
9:30 - 10:00	Advanced Usage of the WPS	Michael Duda
10:00 - 10:20	Break	
10:20 - 10:50	Other Runtime Options	Wei Wang
10:50 - 11:20	WRF Computation	Anthony Islas
11:20 - 11:50	Best Practices	Ming Chen
11:50 - 1:00	Break	
1:00 - 2:15	****LIVE PRACTICE SESSION****	
2:15 - 2:35	Break	
2:35 - 3:30	****LIVE PRACTICE SESSION****	

Friday, February 7

Time		Instructor
9:00 - 9:30	Verification of WRF Simulations	Ming Chen
9:30 - 9:40	Summary and Wrap-up	Kelly Werner
9:40 - 10:00	Break	
10:00 - 12:00	****LIVE PRACTICE SESSION****	

